

ABSTRACT

[00307] It is intended to provide an occludator whereby joint movements at occlusion being similar to the actual tempromandibular joint movements of an individual patient or ideal movements can be reproduced, and a face bow to be used for the occludator. To achieve this object, an occlusion plane against a standard plane is accurately drawn by using the above face bow F whereby the occlusion plane can be drawn at a high accuracy. A solid model of the tempromandibular joint similar to the tempromandibular joint form of an actual patient is used as the joint unit of the occludator K, while the positional relationship in the body at occlusion is three-dimensionally reproduced in the occludator I with the use of the above-described face bow F. It is also intended to provide an occlusion-confirming system and a tempromandibular joint-reproducing system with the use of an occludator whereby joint movements at occlusion being similar to the actual tempromandibular joint movements of an individual patient or ideal movements can be reproduced. To achieve this object, the tempromandibular joint of the body is photographed with a local X-ray CT device to give three-dimensional image data and then a solid model of the tempromandibular joint is constructed based on the three-dimensional image data. This solid model is employed as the joint unit of the occludator K and the positional relationship in the body at occlusion is three-dimensionally reproduced.